MATHS LEARNING JOURNEY

Transition to senior school

KS2 SATS

Simple algebra
Solve one step and two-step functions and equations

Statistics
Interpret Data Line Graphs & Pie Charts

Properties of Shape
Angles in a triangle and quadrilateral including properties of 3D shapes

Co-ordinates
Solving problems with co-ordinates

Position and Direction
Four quadrants, translation & reflection

Volume
Calculating capacity

Area and Perimeter
Regular and composite polygons

Ratio and proportion
Calculate ratio and use scale factors

Decimals
Multiplying and dividing decimals

Fraction, Decimals, Percentages
Percentages of amount

Fractions
Adding, subtracting multiplying and dividing

Calculations Four operations
Formal calculations and mental strategies

Place Value up to 10 Million
Read, write, order and compare

Measures
Conversion

YEAR 6

Summative assessments at end of each term

Measures
Conversions
- Cm, mm, km, ml, l and ml

Volume
Estimate and compare

Position and Direction
First quadrant, translation & reflection

Properties of 2D and 3D shapes
- Rectangles, triangles & regular polygons

Statistics Read, draw & interpret bar and line graphs

Area and Perimeter
Rectangles and compound shapes

Place Value up to 1 million
Read , write, order and compare

Calculations Addition and Subtraction
Using formal methods

Fractions A
finding equivalence, order and compare, add and subtract

Fractions B
multiply with same denominators

Decimals and Percentages
Rounding, ordering and comparing decimals, Equivalent F,D,P

Multiplication and Division Factors, prime, Square and cube numbers
Multiply and divide by 10, 100 and 1000

Multiplication and Division Multiplication up to 3 by 2 digits and Division up to 4 by 1 digits

YEAR 5

Summative assessments at end of each term

Time
Convert between analogue and digital

Position and Direction
Plot 2D shapes using co-ordinates

Shape
Identify angles and classify different 2D shapes

Multiplication and Division
Multiplying two and three digit numbers by one digit.
Multiplying by 10 and 100

Area
Finding and comparing areas of shapes

Interpret Data
Interpret and draw line graphs

Money
Convert between pounds and pence

Multiplication Tables Check (MTC)

Fractions
Compare and order mixed numbers.
Convert mixed numbers to improper fractions

Length and Perimeter
Finding the perimeter of different 2D shapes

Multiplication and Division
Recall and use multiplication and division facts for all times tables

Addition and Subtraction
Adding and subtracting numbers with up to four digits

Fractions B
Adding and subtracting fractions

Interpret Data
Identify and understand bar charts and pictograms

Time
Roman numerals and telling time.
Finding durations of time

Shape
Recognise and describe properties of 2D and 3D shapes

Summative assessment at end of each term

YEAR 4

Place value up to 10,000
Read, write, order and compare

Decimals
Partition and compare decimals with tenths and hundredths

Money
Add and subtract in pounds and pence

Measures
Finding mass, capacity and volume

Fractions A
Compare and order fractions. Find equivalent fractions

Length and Perimeter
Comparing and measuring lengths in mm, cm and m.
Finding perimeter of different 2D shapes

Multiplication and Division
Multiplying and dividing a 2 digit number by 1 digit number with exchanges

Addition and subtraction
Adding and subtracting two and three digit numbers. Estimating and using formal methods to calculate

Multiplication and Division
Using arrays, sharing and grouping to multiply and divide. Focus on 2,4,5,8 and 10 times tables

Place value up to 1000
Read, write, order and compare

YEAR 3

Topics				
Number	Geometry	Algebra	Ratio and proportion	Data and statistics